

Plastics Heritage European Association Newsletter

PHEA

Editor: Sofia Rodrigues and Maria Elvira Callapez

Plastics Heritage European Association

September 2018

3rd issue



Page from a catalogue of toys manufactured by Fábrica de Plásticos Santo António, from Leiria, Portugal. (circa 1965)



PLASTICS HERITAGE EUROPEAN ASSOCIATION

PHEA is a network of European organisations, which are involved in plastics heritage of all aspects and times.

Purposes

- ✓ To engage in activities relating to and to engage with research on 'historic polymeric materials' ('Hipoms')
- ✓ To communicate, exchange and mutually popularise the manifold, special knowledge and abilities of the PHEA members.
- ✓ To initiate applications and come to agreements for the exchange of students, researchers and for research cooperations.
- ✓ To apply for funding of European research programmes on Plastics Heritage.
- ✓ To organise the International Forum 'Plastics Heritage' on a biennial basis.
- ✓ To encourage publishing of results in e.g. the PHEA attributed International Journal of Plastics History *e-plastory* as well as other relevant journals.

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We would like your contribution

If you have any suggestion or recommendation, do not hesitate to contact us at mariaelvira@callapez@gmail.com (Maria Elvira Callapez) and sofia.pinto.rod@gmail.com (Sofia Rodrigues)

Do not miss!

Call for "The Plastics Heritage Congress 2019"
Young Hipom Professionals (Yhip 2019) Summer School/Research Seminar
27-28 May 2019, FCT NOVA, Campus Caparica, Portugal

The Yhip2019 Summer School/Research Seminar on Historic Polymeric Materials (HIPOMS) and Cultural Heritage Research will combine the "Plastics Heritage: History, Limits and Possibilities" Congress with a two-day seminar course. (<http://plasticsheritage2019.ciuhct.org/call-for-papers/>).

It intends to be an open forum for graduate students, post-docs, and other scientists with comparable levels of experience and education to present, exchange new data and inventive ideas and deepen their knowledge of the history of polymeric materials.

To all PHEA members:

- 1) During our first meeting in Brussels, we have decided to publish the PHEA-Newsletter.
- 2) In a future PHEA web page we would like to publish e.g. photos of the formation meeting in Brussels and of e.g. future Plastics Heritage Conferences.

If you do not explicitly contradict, you agree that you want to be in the PHEA mailing list, to obtain the PHEA-information and to publish from PHEA events photos including your person.

CONFERENCES AND SEMINARS

CONFERENCES AND SEMINARS ON PLASTICS

Science Museum Group Research Conference 2018

14.09.2018

London, UK

[See more](#)

European Society for the History of Science Biennial Conference 2018

14.09.2018 – 17.09.2018

London, UK

[See more](#)

Evolving Minds: Integrating Philosophy, Science and the Arts

17.09.2018 – 19.09.2018

Charles Darwin University, Australia

[See more](#)

11th LISBON International Conference on Advances in Chemical, Biological & Environmental Engineering 2018

20.09.2018 – 22.09.2018

Lisbon, Portugal

[See more](#)

Deuxième colloque de la SFHSH – Histoire des sciences humaines et sociales

26.09.2018 – 28.09.2018

Paris, France

[See more](#)

Sports Heritage Collections Conference

26.10.2018

Porto, Portugal

[See more](#)

AAER International Conference on Multidisciplinary Approaches in Biotechnology, Military, Design Engineering & Applied Sciences 2018

14.11.2018 – 15.11.2018

Manila, Philippines

[See more](#)

CONFERENCES AND SEMINARS

CONFERENCES AND SEMINARS ON PLASTICS

FEAST International Conference on Design, Engineering, Basic & Applied Sciences and Information Technology: Challenges in Globalized Digital Era 2019

12.01.2019 – 13.01.2019

London, UK

[See more](#)

Third International Conference of the German Society for Philosophy of Science (GWP.2019)

25.02.2019 – 27.02.2019

Cologne, Germany

[See more](#)

4th Edition of International Conference on Catalysis and Green Chemistry (ICG-2019)

13.05.2019 – 14.05.2019

Tokyo, Japan

[See more](#)

11th World Congress and Expo on Recycling

13.06.2019 – 14.06.2019

Edinburgh, Scotland

[See more](#)

2nd Edition of EuroSciCon Conference on Chemistry 2019

19.02.2019 – 20.02.2019

Prague, Czech Republic

[See more](#)

EVA 2019 Florence

08.05.2019 – 09.05.2019

Florence, Italy

[See more](#)

5th Edition Of International Conference On Polymer Science and Technology

10.06.2019 – 11.06.2019

Berlin, Germany

[See more](#)

16th International Congress of Logic, Methodology and Philosophy of Science and Technology (CLMPST)

05.08.2019 – 10.08.2019

Prague, Czech Republic

[See more](#)

NEWS

NEWS ON PLASTICS

CHINA FOCUS: CHINA-MADE DEGRADABLE PLASTICS PROMISE END TO OCEAN POLLUTION

BEIJING, Sept. 5 (Xinhua) -- Chinese scientists have developed a plastic that degrades in seawater and could help curb the increasingly serious plastic pollution in the oceans.

Source: [see more](#)

KUWAIT FISH MARKET SHUT DOWN FOR PUTTING GOOGLY EYES ON LESS-THAN-FRESH FISH: REPORT

A seafood market in Kuwait was reportedly closed after it was discovered staff had been putting plastic googly eyes on fish to make them appear fresher than they actually were.

Source: [see more](#)

THESE CULTURAL TREASURES ARE MADE OF PLASTIC. NOW THEY'RE FALLING APART.

Museum conservators are racing to figure out how to preserve modern artworks and historical objects that are disintegrating.

Source: [see more](#)

LISBON TO BAN PLASTIC CUPS FROM 2020

Verde, azul e amarelo. São estas as três cores de Lisboa para 2020. Para ser um exemplo, a capital tem de juntar a boa utilização da água, da reciclagem e da energia solar.

Source: [see more](#)

OCEAN CLEANUP SETS SAIL TO GREAT PACIFIC GARBAGE PATCH

In a launch seen globally through an internet livestream, a tugboat departed San Francisco Bay on Sept. 8 bound for the Great Pacific Garbage Patch with a marine litter collection system in tow, designed to rid the seas of plastic.

Source: [see more](#)

BOOKS

BOOKS ON PLASTICS

Introduction to Plastics Engineering - 1st Edition

Introduction to Plastics Engineering provides a single reference covering the basics of polymer and plastics materials, and their properties, design, processing and applications in a practical way. The book discusses materials engineering through properties formulation, combining part design and processing to produce final products. This book will be a beneficial guide to materials engineers developing new formulations, processing engineers producing those formulations, and design and product engineers seeking to understand the materials and methods for developing new applications. The book incorporates material properties, engineering, processing, design, applications and sustainable and bio based solutions.

Ideal for those just entering the industry, or transitioning between sectors, this is a quick, relevant and informative reference guide to plastics engineering and processing for engineers and plastics practitioners.

Key Features

- Provides a single unified reference covering plastics materials, properties, design, processing and applications
- Offers end-to-end coverage of the industry, from formulation to part design, processing, and the final product
- Serves as an ideal introductory book for new plastics engineers and students of plastics engineering
- Provides a convenient reference for more experienced practitioners

Source: [see more](#)

EXHIBITIONS AND FAIRS

EXHIBITIONS AND FAIRS ON PLASTICS

PLASTEX - International Fair of Plastics, Rubber and Composites

01.10.2018 – 05.10.2018

Brno, Czech Republic

[See more](#)

Plastex Uzbekistan - Plastics and Rubber Industry Exhibition

03.10.2018 – 05.10.2018

Tashkent, Uzbekistan

[See more](#)

26th Fakuma - International Trade Fair for Plastics Processing

16.10.2018 – 20.10.2018

Friedrichshafen, Germany

[See more](#)

Koplas 2019 – Korea International Plastic & Rubber Show

12.03.2019 – 16.03.2019

KINTEX, Goyang, Korea

[See more](#)

ARTICLES

ARTICLES ON PLASTICS

MECHANICAL CHARACTERIZATION,
MODELLING AND APPLICATION DESIGN OF
BAMBOO-POLYPROPYLENE COMPOSITES

**Chauhan, S.S., Aggarwal, P., Venkatesh, G.S.
et al. Int J Plast Technol (2018) 22: 85.**

[See more](#)

REAL-TIME IDENTIFICATION OF PLASTICS BY
TYPES USING LASER-INDUCED BREAKDOWN
SPECTROSCOPY

**Kim, E. & Choi, W.Z. J Mater Cycles Waste
Manag (2018).**

[See more](#)

PERSISTENT MARINE LITTER: SMALL
PLASTICS AND CIGARETTE BUTTS
REMAIN ON BEACHES AFTER
ORGANIZED BEACH CLEANUPS

**Loizidou, X.I., Loizides, M.I. &
Orthodoxou, D.L. Environ Monit
Assess (2018) 190: 414**

[See more](#)

INTEGRATING LIFE CYCLE ASSESSMENT AND ECO-DESIGN STRATEGIES FOR A SUSTAINABLE
PRODUCTION OF BIO-BASED PLASTICS

**Venkatachalam V., Spierling S., Endres H.J., Siebert-Raths A. (2018) Integrating Life Cycle
Assessment and Eco-design Strategies for a Sustainable Production of Bio-based
Plastics. In: Benetto E., Gericke K., Guiton M. (eds) Designing Sustainable Technologies,
Products and Policies. Springer, Cham**

[See more](#)

OTHER INITIATIVES

INITIATIVES ON PLASTICS

The Opportunities & Challenges of Studying 20C HSTM Workshop

A one-day workshop to bring researchers together to share their experiences of working on the history of 20th-century science, technology and medicine.

05.10.2018

Wick, UK

[See more](#)

Midlothian Science Festival: World of Plastics

Join real life scientists to discover the harmful effects that plastic has on everything around us and become a superhero in the war against plastic.

08.10.2018 – 10am - 2pm

Dalkeith, UK

[See more](#)

Plastics Recyclers Annual Meeting

11.10.2018 – 12.10.2018

Cascais, Portugal

[See more](#)

ROYAL SOCIETY OF CHEMISTRY HISTORICAL GROUP MEETING – "150th Anniversary of the Birth of Fritz Haber and of the First Synthesis of Alizarin"

17.10.2018

London, UK

[See more](#)

PlasticsEurope

PlasticsEurope is a leading pan-European association and represents plastics manufacturers active in the European plastics industry.

[See more](#)

The Solvay Science Project

The Solvay Science Project is the fruit of the long-term labours of an interdisciplinary team made up of archivists, chemists, historians, physicists, computer scientists, translators and many other specialists. This project began in November 2015 with an inventory of the archives of the Solvay international Institutes of Physics and Chemistry, which were lodged with the Archives of the Université Libre de Bruxelles (ULB) in 1976, 1989 and 2016.

[See more](#)

OTHER INITIATIVES

INITIATIVES ON PLASTICS

Independent Social Research Foundation - Funding opportunities for humanities

The Independent Social Research Foundation wishes to support independent-minded researchers to explore and present original research ideas which take new approaches, and suggest new solutions, to real world social problems.

ISRF funding is awarded competitively through a series of grant competitions – for Early and Mid-Career Researchers, Independent Scholars, and for Small Groups.

The foundation also awards prizes for essays in Social Theory (in partnership with the Journal for the Theory of Social Behaviour) and Economics (Cambridge Journal of Economics,) and has previously run competitions in Organisation Studies (Organization Studies), and Digital Social Science (Big Data & Society).

Award recipients are invited to present their work at the [ISRF Annual Workshop](#), previously held in Cambridge (2013), York (2014), Edinburgh (2015), London (2016), and Amsterdam (2017).

Existing or previous ISRF Fellows may apply to the the [ISRF Book Launch Fund](#) for one grant of up to £500 towards the cost of holding an event at which their book (or a book to which they have contributed significantly) is launched.

[See more](#)

Call for “The Plastics Heritage Congress 2019”

Young Hipom Professionals (Yhip 2019) Summer School/Research Seminar

27-28 May 2019, FCT NOVA, Campus Caparica, Portugal

Meeting overview

The Yhip2019 Summer School/Research Seminar on Historic Polymeric Materials (HIPOMS) and Cultural Heritage Research will combine the “Plastics **Heritage: History, Limits and Possibilities” Congress** with a two-day seminar course. (<http://plasticsheritage2019.ciuhct.org/call-for-papers/>).

It intends to be an open forum for graduate students, post-docs, and other scientists with comparable levels of experience and education to present, exchange new data and inventive ideas and deepen their knowledge of the history of polymeric materials.

The focus of this meeting is to explore novel perspectives relevant to HIPOMS research. Topics of interest include, but are not limited to meaning of HIPOMS in cultural heritage, examples of good practice for the preservation of early and modern HIPOMS, pertinent materials science and cultural research and sources of Hipoms (archaeology, objects, films, design, collections, museums, etc.)

The content of the presentations along with the format of the seminar will encourage free-form discussion and informal gatherings among emerging professionals in the diverse fields that impact historic polymeric materials research and plastics heritage conservation. This format will breed friendships that will hopefully blossom into fruitful collaborations.

Applications

All attendees are expected to actively participate in the Yhip2019 either by giving an oral presentation or presenting a poster. Selected participants are invited to give short presentations of their own work as part of the programme.

To apply, please send the following material in a single pdf file to Maria João Melo (a1318@fct.unl.pt) by, November 26, 2018:

- The title of your talk,
- A short abstract (between 300 and 500 words),
- A letter of motivation,
- a CV (2 pages max.),
- a Referee Letter.

Fees:

Fee of **Yhip 2019**: 80 Euro (After 30 April: 100 €);

Fee of **Yhip 2019 & Conference**: 125 Euro (After 30 April: 155 €)

Upon request, the participants will receive a confirmation that the summer school/research seminar is equivalent to a workload of 2 ECTS.

Preliminary program

A preliminary program is currently being developed by the Conference Chair and will be available by December 15, 2018.

Chairs: Maria João Melo and Maria Elvira Callapez

Keynotes: Anita Quye; Guenter Lattermann; Robert D. Friedel

Organizers: Artur Neves; Eva Mariasole Angelin; Susana Sá;

Discussion leaders: chairs; Joana L. Ferreira; Carlos Bernardo, Robert D. Friedel.

Ideal for those just entering the industry, or transitioning between sectors, this is a quick, relevant and informative reference guide to plastics engineering and processing for engineers and plastics practitioners.

Key Features

- Provides a single unified reference covering plastics materials, properties, design, processing and applications
 - Offers end-to-end coverage of the industry, from formulation to part design, processing, and the final product
 - Serves as an ideal introductory book for new plastics engineers and students of plastics engineering
 - Provides a convenient reference for more experienced practitioners
-

PRIZES

PRIZES ON PLASTICS, SCIENCE AND TECHNOLOGY

Charles Schmitt Prize 2019

As the result of generous donations from an anonymous donor and our publisher (Routledge), the International Society for Intellectual History is offering, on an annual basis, a prize to honour the contribution of Charles B. Schmitt (1933-1986) to intellectual history.

The prize is £250, plus £100 worth of Routledge books, and a year's free membership of the ISIH with a subscription to the Society's quarterly journal *Intellectual History Review*. The paper awarded the prize will also be published in the *Intellectual History Review*.

Submissions will be accepted in any area of intellectual history, broadly construed, 1500 to the present, including the historiography of intellectual history. Because it is a condition of the award that the paper awarded the prize will be published by IHR, submissions should not have been accepted for publication elsewhere, or exceed 9,000 words (including footnotes). Eligibility is restricted to doctoral students and those who have submitted their PhD within two years of the closing date for the prize.

The paper should be forwarded as an e-mail attachment in Microsoft Word format to stephen.gaukroger@arts.usyd.edu.au and to s.clucas@bbk.ac.uk. The e-mail itself should state that the paper is being entered for the prize, and should confirm eligibility at the time of submission, as well as availability of the paper for publication.

The closing date for the prize is midnight GMT on **31 December 2018**, and an announcement of the award will be made by the 1 March 2019.

[See more](#)

Paul Bunge Prize 2019 – History of Scientific Instruments

The German Chemical Society (Gesellschaft Deutscher Chemiker – GDCh) and the German Bunsen Society for Physical Chemistry (Deutsche Bunsen-Gesellschaft für Physikalische Chemie) invite proposals for the Paul Bunge Prize 2019.

The prize is awarded annually by the Hans R. Jenemann Foundation; it is named after Paul Bunge (1839–1888), the most important maker of precision balances in the second half of the nineteenth century.

The Bunge Prize honours outstanding research publications on all aspects of the history of scientific instruments. The prize is endowed with 7.500 Euro. It is awarded for either individual books or papers published within the last five years, or for lifetime achievements. Submitted works may be published in English, German or French.

Applications and proposals should include the publications to be considered, a curriculum vitae and a full list of publications.

Submissions must be sent to: Gesellschaft Deutscher Chemiker, c/o Barbara Köhler, Varrentrappstr. 40 42, 60486 Frankfurt/Main, Germany, by 30 September 2018.

The award ceremony will take place at a conference of the GDCh History Division in Halle, Germany, on 21-22 March 2019.

[See more](#)

Society for the History of Alchemy and Chemistry: Morris Award 2018

The Society for the History of Chemistry wishes to announce that the Morris Award for 2018 has been given to Yasu Furukawa for his outstanding work on the history of chemistry and its relationship with the chemical industry, specifically for *Inventing Polymer Science: Staudinger, Carothers, and the Emergence of Macromolecular Chemistry* (1998) and *Chemists' Kyoto School: Gen-itsu Kita and Japan's Chemistry* (2017). There is a unifying theme to Yasu's scholarship across *Inventing Polymer Chemistry*, *the Chemists' Kyoto School* and other publications, including his *Social History of Science*. His work is in part an exploration of relationships between industrial applied chemistry and fundamental theoretical chemistry.

The Morris Award is given every three years for outstanding scholarly work in either the history of chemical industry or the history of chemistry since 1900. The recipient of the award is given £300 and a framed picture or document. They give the Morris Award Lecture at an appropriate meeting and this is usually published in *Ambix*. Previous holders of the award are Ray Stokes (2009), Mary Jo Nye (2012) and Anthony Travis (2015).

[See more](#)

Call for Papers

CALL FOR PAPERS ON PLASTICS

EVA 2019 Florence

Electronic Imaging & the Visual Arts

'The Foremost European Electronic Imaging Events in the Visual Arts'

EVA 2019 Florence

Conference, Training & Workshops

8 - 9 May 2019

Hotel Pierre, Florence

Conference Languages: Italian & English

Offers of papers (8 pages draft or 1 page summary), Workshops & Demonstrations to be sent to the Chairmen by 30 October 2018

EVA 2019 Florence Chairmen: Vito Cappellini - Enrico Del Re

E-mail: vito.cappellini@unifi.it – enrico.delre@unifi.it

For information email: vito.cappellini@unifi.it

<https://lesc.dinfo.unifi.it/sites/default/files/Documenti/EVA-2019.pdf>

Main Topics

- European Commission Projects and Plans regarding Cultural Heritage
- Mediterranean Initiatives in Technology for Cultural Heritage: Synergy with European & International Programmes
- 2D – 3D Digital Image Acquisition
- Leading Edge Applications: Galleries, Libraries, Archaeological Sites, Museums & Historical Tours
- Integrated Digital Archives for Cultural Heritage and Contemporary Art
- Management of Museums by using ICT Technology: Documentation, Access, Guides & Other Services
- The Impact of New Mobile Communications on Cultural Heritage and Modern Arts Area
- Cloud Networks
- Semantic Webs
- Ontology Systems
- Human - Computer Interaction for Cultural Heritage Applications
- Copyright Protection
- Secure Electronic Commerce (Anticounterfeiting)
- Cybersecurity
- Culture and e-government
- Activities and Programmes for e-learning
- Digital TV and films
- 3D Developments and Applications in the Cultural Heritage Area

- Virtual Galleries and Exhibitions
- Digital Art
- Digital Music
- Digital Theater
- Cultural Tourism & Travel Applications
- Impact of Culture in the Smart City
- Art and Medicine

Who Should Attend

- The Cultural Sector - The Government Sector - Media & Related Sectors
- The ICT Industry, especially multimedia SME's - Tourism & Travel Sector
- Technology & Visual Arts Research Organisations – Trade Culture Activities

President Advisory Board: James Hemsley

Email: jrhemsley6@gmail.com

[See more](#)

JOBS

JOBS ON PLASTICS

The Peabody Museum at Yale University is looking for an Assistant Director of Exhibitions

Position Focus:

Reporting to the Director of Public Programs of the Yale Peabody Museum of Natural History, the Assistant Director of Exhibitions will lead the development, design, production, evaluation, and maintenance of exhibitions and displays within the Peabody's galleries, creating both traditional and innovative exhibition experiences for diverse Museum audiences that support the Peabody's mission, both within the Museum and also at off-site venues. Directly supervises the Museum's Exhibition Design and Graphic Design staff, Exhibition Preparation staff, and Construction Shop staff. Will serve a critical role in strategic development and implementation of exhibition and related experiences, and is responsible for recommending improvements to methods, practices, and procedures of exhibition development. Will actively collaborate across all Museum units to ensure that Peabody exhibition experiences highlight the strength of the Museum's history, collections, and research. Successful candidates will demonstrate a keen sense of exhibition theory and good humor, enjoy being part of a team, and have excellent writing and communication skills.

[See more](#)

JOBS

JOBS ON PLASTICS

BURNBY MEMORIAL BURSARY 2019

Applications are now open for students to apply for the [Burnby Memorial Bursary](#), awarded in memory of Dr. Juanita Burnby, pharmacist and former president of the **British Society for the History of Pharmacy (BSHP)**.

The BSHP offer a Bursary of £500 annually to a student at, or associated with, a School of Pharmacy or other higher educational establishment.

The winner of the Bursary will undertake to give a 20 minute presentation at the Annual Spring Conference of the British Society for the History of Pharmacy. This must be based on a piece of original work on a topic on the History of British Pharmacy. The Conference will be held on 29 - 31 March 2019 in Portsmouth.

An intending applicant for the Bursary should complete an application form (available online or from the BSHP Honorary Secretary) which asks for details of the applicant, together with a brief description of the topic on which the presentation is to be made.

An application form must be returned by **30 November 2018** to the Honorary Secretary.

The successful applicant will be informed by 31 December 2018.

Other grants for 2019 are available, please check the awards page at www.bsHP.org

Please send all enquiries and completed forms (available from the above link) to: honsec@bsHP.org

[See more](#)
